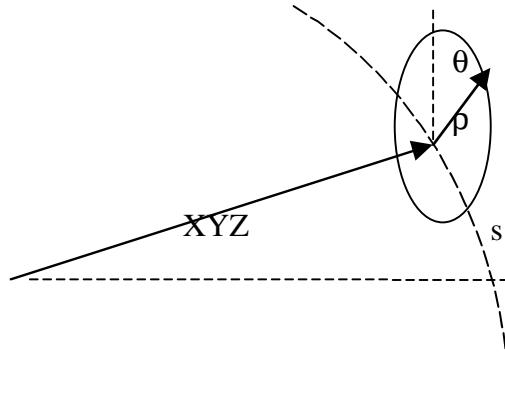
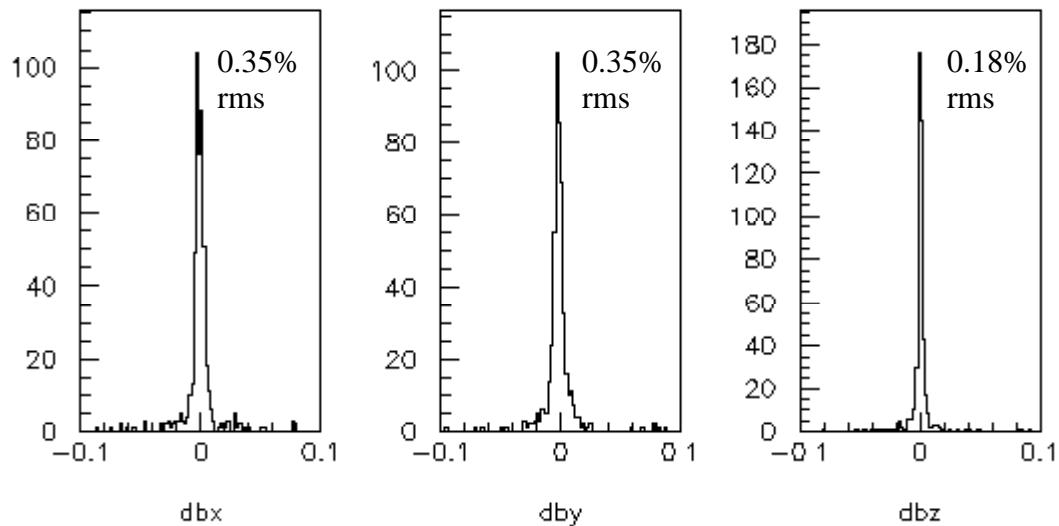


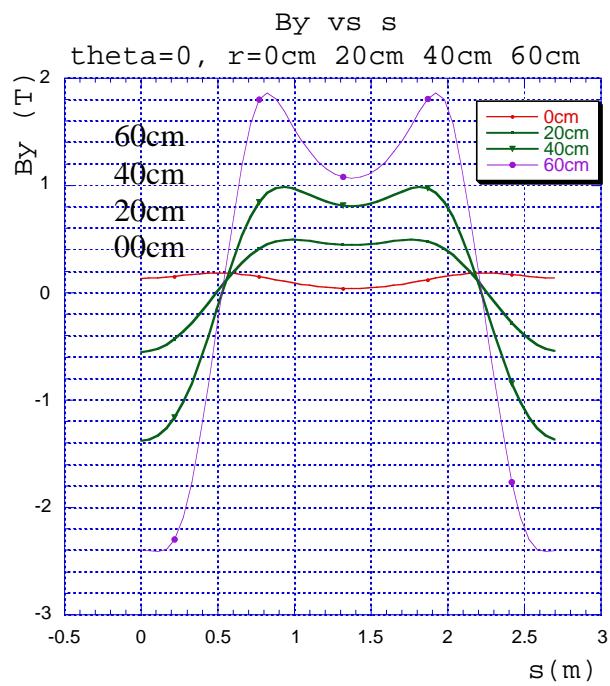
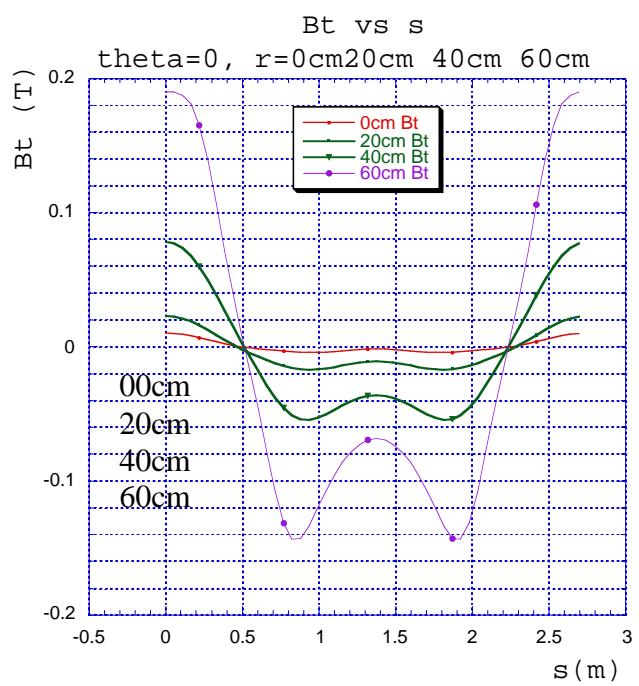
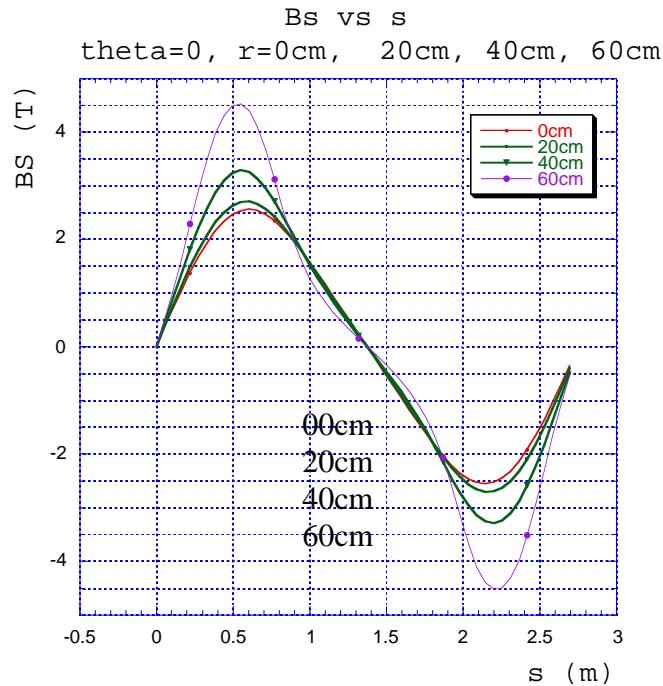
- BFLD generated with 12 sector coils pairs ( 500x11 ea) .  
 $s[0 - 2.75]m$  100 bins       $\rho[0-0.6]m$  24bins       $\theta[0-2\pi]$  32bins



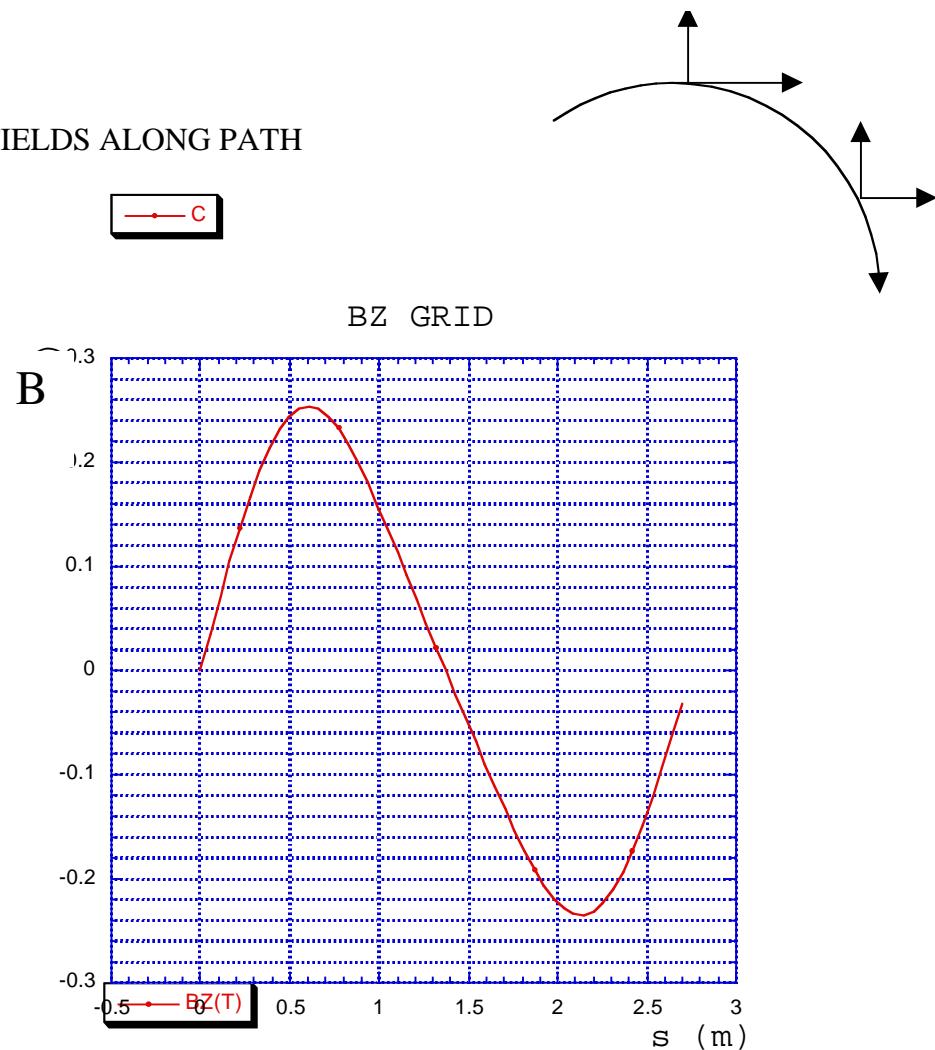
- Some bugs in interpolation routine BGRID.: X,Y X(GLOBAL) -->  $\rho \Theta \phi$ (local )  
 Trouble in global to local coordinate transformation fixed.
- Map checking at grid points I J K (generator) --> I J K( grid)  
 Exact match of BFLD(generated) and BGRID(interpolation)
- Bfield Matching RANDOM: (X,Y X) --> BFLD(XYZ) --> BX BY BZ  
 $\rightarrow$  GRID (XYZ) --> bx by bz
- Outliers are nearest neighbor cell misses? More work. 2<sup>nd</sup> Order effect!
- Percent deviations below:  
 $dbx = ( BX-bx ) / BX$        $dby = ( BY-by ) / BY$        $dbz = ( BZ-bz ) / BZ$



- OFF-AXIS FIELDS



BZ BX GRID FIELDS ALONG PATH



BX GRID

